

Serial No.: 10/613,385

Docket No.: 12207.0900

Amendments To Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-15 (Cancelled)

16. (Original) A system for handling hydrogen, said system comprising hydrogen handling equipment, said equipment including at least piping, said equipment being at least partially contained within a structure, said structure having at least one wall, a floor, and an open top, at least one said wall being configured to lean away from said equipment so that said open top has a larger area than the area of said floor.

17. (Original) The system of claim 16, said hydrogen being gas, said system being configured to refuel vehicles that consume substantially pure compressed hydrogen gas.

18. (Original) The system of claim 16, said hydrogen being gas, said system being configured to refuel internal-combustion engine powered vehicles that consume a mixture comprising hydrogen gas and at least one other flammable gas.

19. (Original) The system of claim 18, said system being configured to dispense at least a plurality of substantially different mixture ratios of hydrogen gas and natural gas.

20. (Original) The system of claim 16, said structure having at least two said walls configured to lean away from said equipment.

21. (Original) The system of claim 16, said equipment further comprising at least one hydrogen generator configured to generate the hydrogen.

22. (Original) The system of claim 16, said hydrogen being gas, said equipment further comprising at least one compressor configured to compress the hydrogen gas.

23. (Original) The system of claim 16, said hydrogen being gas, said equipment further comprising at least one pressure vessel configured to store the hydrogen gas.

24. (Original) The system of claim 23:

said equipment further comprising a pressurizing apparatus; and

said system being configured to dispense at least a plurality of substantially different mixture ratios of hydrogen gas and natural gas.

25. (Original) The system of claim 23, said pressure vessel being a cylinder oriented with a substantially vertical axis, said pressure vessel having a top end and a bottom end.

26. (Previously Presented) The system of claim 16, wherein said equipment further comprises a pressurizing apparatus and at least one of a pressure vessel and a hydrogen generator.

27. (Original) A system for handling hydrogen, said system comprising hydrogen handling equipment including at least piping and valves, said equipment being contained within a substantially sealed enclosure, said enclosure being vented to the atmosphere through a vent pipe terminating at a location higher than said equipment.

28. (Original) The system of claim 27, said enclosure being cylindrical.

29. (Original) The system of claim 27, said enclosure and said vent pipe being configured to withstand the detonation of a stoichiometric mixture of hydrogen and air in said enclosure.

30. (Original) The system of claim 27 further comprising a fire suppression system configured to introduce a substantially inert gas into said enclosure.

31. (Original) The system of claim 27, said system being configured to refuel vehicles that consume substantially pure hydrogen.

32. (Original) The system of claim 27, said hydrogen being gas, said system being configured to refuel internal-combustion engine powered vehicles that consume a mixture comprising hydrogen gas and at least one other flammable gas.

33. (Original) The system of claim 32, said system being configured to dispense at least a plurality of substantially different mixture ratios of hydrogen gas and natural gas.

34. (Original) The system of claim 27, said hydrogen being gas, said system being configured to dispense hydrogen gas into a stationary natural gas system.

35. (Original) The system of claim 27, the hydrogen being hydrogen gas, said equipment further comprising at least one compressor configured to compress the hydrogen gas.

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36. (Original) The system of claim 27, the system further comprising at least one hydrogen gas storage pressure vessel, said pressure vessel being oriented with a substantially vertical axis, said pressure vessel having a top end and a bottom end.

37. (Original) The system of claim 36 having a plurality of said hydrogen gas storage pressure vessels, each said pressure vessel being oriented with a substantially vertical axis, and each said pressure vessel having at least one control valve piped thereto, the system having a separate said enclosure for said at least one control valve for each pressure vessel.

38. (Original) The system of claim 27, at least some of said piping being located within said vent pipe.

39. (Previously Presented) The system of claim 27, said system being substantially shop assembled and tested.

40. (Original) The system of claim 27:

said hydrogen being gas, said system being a stationary facility configured to refuel vehicles that consume hydrogen gas;

said enclosure and said vent pipe being configured to withstand the detonation of a mixture of hydrogen and air in said enclosure;

said system comprising a pressurizing apparatus configured to obtain the result of the hydrogen gas being pressurized;

said system comprising at least one pressure vessel configured to store hydrogen gas, said pressure vessel being a cylinder oriented substantially vertically, said pressure vessel having a top end and a bottom end;

said system further comprising at least one supply pipe configured carry the hydrogen gas to at least one said pressure vessel, said supply pipe being connected to said pressure vessel;

said system further comprising a dispenser configured to dispense the hydrogen gas to the vehicles; and

said system further comprising a dispensing pipe configured to carry the hydrogen gas to the dispenser.

Claims 41-43 (Cancelled)

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44. (Previously Presented) A system for handling a flammable substance, said system comprising flammable substance handling equipment including piping and valves, said equipment being contained within a substantially sealed enclosure, said enclosure being vented to the atmosphere through a vent pipe terminating at a location higher than said equipment.

Claim 45 (Cancelled)

46. (Previously Presented) The system of claim 41, wherein said substantially sealed secondary containment includes a vent pipe configured to vent said diatomic hydrogen gas to the atmosphere.